

To: Egan, Robert[egan.robert@epa.gov]
Cc: Dee.allen@ldftribe.com[Dee.allen@ldftribe.com]; Greenwater, Anthony[greenwater.anthony@epa.gov]; Manville, Jennifer[manville.jennifer@epa.gov]
From: Hanson, Kristen
Sent: Wed 4/26/2017 7:35:18 PM
Subject: RE: well location write up
[Additional Well Locations kh tracked edits4.26.2017.docx](#)
[Figure with proposed well locations.pdf](#)
[2013 EPA Design and Installation of Monitoring Wells.pdf](#)

Bob,

Attached is the correct word file with tracked changes.

Regarding Bedrock Wells:

We understood all wells identified as bedrock wells to be on top of bedrock. The approximate elevations are only estimates based on our best understanding of bedrock elevation.

Kristen

From: Egan, Robert [mailto:egan.robert@epa.gov]
Sent: Wednesday, April 26, 2017 2:21 PM
To: Hanson, Kristen
Cc: Allen, Dee; Greenwater, Anthony; Manville, Jennifer
Subject: RE: well location write up

Thank you, Kristen.

I am on a conference call but in taking a quick look at your message I have a couple of questions-

I'm not sure I received the correct word file that you referenced in your message. Also, regarding the bedrock wells- do you mean that all these will be set at the surface of the bedrock or are you

advocating for the one well at #6 to be placed into bedrock at some elevation below the surface of bedrock.

Thank you for clarifying.

Bob

Bob Egan

Corrective Action Manager

Underground Storage Tanks Section

RCRA Branch

EPA Region 5

(312) 886-6212

(312) 692-2911 (fax)

From: Hanson, Kristen [mailto:KHanson@ldftribe.com]

Sent: Wednesday, April 26, 2017 1:50 PM

To: Egan, Robert <egan.robert@epa.gov>

Cc: Dee.allen@ldftribe.com; Greenwater, Anthony <greenwater.anthony@epa.gov>; Manville, Jennifer <manville.jennifer@epa.gov>

Subject: RE: well location write up

Good Afternoon Bob,

Thank you for the well location write up, and well placement map.

A few comments are listed below. I also attached the guidance referenced in the text.

Email Question: #2 Location

In your email you asked about inclusion of the bedrock well. As written in the document you provided the location does include a bedrock well. Here is my understanding of the three wells at this location

- 1) WT well
- 2) Core of plume well- estimate 1545-1540
- 3) Bedrock Well – estimate 1525-1530- note: Our cross-sections suggests bedrock to be higher here, hence the 1525-1530 estimate.

Location #3-

Our proposal includes one shallow well at the old #3 location and the two listed wells at the moved #3 location. It appears EPA nixed the shallow well at the old #3 location. If that is the case, it's OK.

Location #4-

See tracked edits. As listed this well will not meet the 2nd half of the purpose statement

Location #6-

See tracked changes for a better description

Our proposal included two wells at this location. One as listed and a second at bedrock protective of the bedrock pumping well.

Kristen Hanson

Environmental Response Program Coordinator

Lac du Flambeau Tribal Natural Resource Department

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From: Egan, Robert [<mailto:egan.robert@epa.gov>]

Sent: Wednesday, April 26, 2017 11:09 AM

To: Hanson, Kristen

Cc: Kamke, Sherry; Greenwater, Anthony; Manville, Jennifer; Allen, Dee

Subject: well location write up

Hi Kristen,

Please review the attached. I have tried to consolidate the justifications for the recommended locations and remove any identifiers as to who has suggested certain locations. I also renumbered the list, so, Bristol's 1-4 remain 1-4, your #1 is now #5, your numbers 2 and 3 are now combined as #6, and your #4 has been combined with Bristol's #4. The one additional location suggested by EPA is now #7.

One question- For your #2 location- the last bullet in red suggests a bedrock well. Do you want to include that in the location or was that dropped after we combined your locations 2 and 3.

Chris Saari indicated that we can still have our call tomorrow if he receives this information this afternoon. I will work on a simple map showing locations next.

Can you provide a quick review so I can make any changes and get this to him soon or do we

need to delay our call for another day?

Thank you.

Bob Egan

Corrective Action Manager

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